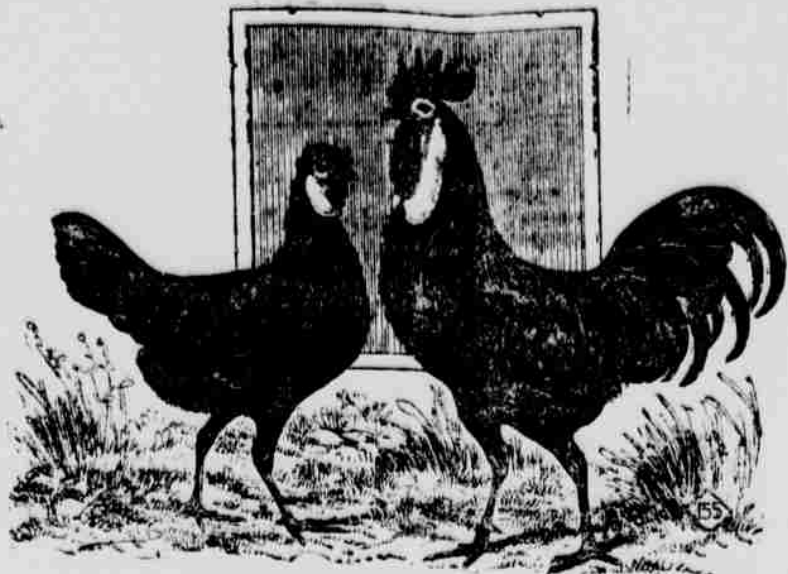


IMPROVEMENT OF POULTRY FLOCK SHOULD BE MADE EVERY SEASON

Vigorous Stock Necessary; Only the Best Layers Should Be Retained as Breeding Stock.

Use of Trap Nest Will Help Owners to Build Up Most Profitable Utility Stock.



(Copyright, 1915)

White Faced Black Spanish.

BY MICHAEL K. ROYER,
Poultry Editor of the Farm Journal.

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Selection of the right breeding stock is an important element in the success with poultry. In this article Mr. Royer tells the qualities that breeding stock should possess and points out how the owner may increase the productivity of his flock each year by making the proper selection.

Only by careful selection and proper breeding can we hope to build up the utility qualities of our flocks. We must aim each year to show an improvement. It must not be forgotten that while it is important that we have good, strong hens, the influence of the male is the greatest factor.

Success cannot be obtained without good, strong, healthy breeding stock to begin with, and they must be kept in good health.

A frail, delicate hen should not be permitted in the breeding pen, no matter how good a layer she may be. Such an individual will produce inferior offspring on account of her own physical weakness.

If we are working for egg production, we must first pick out our good, strong pullets, and then secure males from a known strain of heavy layers. The trap nest must be employed so that we may know which of our pullets are the best layers, and breed only from them. This work of selection must not be limited to one or two years. It must be the rule every year.

MALE LINE SHOULD NOT BE CHANGED.

Having established a record male line, it should never be changed. New blood must be infused on the female side. To change males annually would be going backward.

It is well known that a pen of record layers are, as a rule, an uneven lot in appearance. I have a pen of White Wyandotte hens that as yearlings are doing better work than any other pen of pullets I ever owned, and I don't believe one hen in that pen would have a chance of recognition from a poultry judge. Yet I would not trade them for the best exhibition pen in the country—not for my purpose: raising eggs for market.

There may be something in the selection of layers according to type. When Tom Barron delivered his lecture at Storrs College, he said that a good layer usually stands high in front and her back is not on a level, nor the rear higher than the front. The best producers usually have large combs, high tail and a prominent, large, bright eye. Mr. Barron also said that upon handling the birds he found that most of the best layers have thin, straight pelvic bones. He likes the wedge shape, rather narrow in front, but wide behind and wide between the legs.

I fully believe that, for an average, that type is valuable, but I have heard among my very best layers that are just the re-

verse. Nevertheless the beginner will make no mistake in following out that class.

TRAP NEST IS NECESSARY.

So, rather than rely on type I will continue to resort to the trap nest. I know that the information I get is bound to be accurate. There is no other method by which it is possible to know which are the sons of the best layers. To maintain a great laying strain, no cocker should be used which was not bred from hens which laid 200 eggs or more. This is a point that must be considered seriously.

Yearling hens are best for breeding. By "yearling" is meant a year from the time of its first starting to lay. In other words, the real age of a yearling is about 18 months. Quite a number of the breeders' trap-nests only the pullets, and from this record make their selection. Some trap-nest from October 1 to June, especially those who are mating for strong winter egg production.

No fowl should be used in the breeding pen that has ever been sick a day in its life. The trouble with poultry, especially in the case of the male, is that they have been cured perfectly, and the weakness or tendency to disease may be transmitted to chickens hatched from their eggs.

Too much stress cannot be placed upon the importance of strong constitutions, vigor, activity and plenty of life in the foundation stock.

Inbreeding must be avoided if we wish to build up a healthy laying strain. No record hens were ever secured by inbreeding. At the same time no progress can be made by continually tampering with the male line. As said before, new blood must come through the addition of a few hens to the breeding flock.

SMALL FLOCKS BEST FOR BREEDING.

I further believe that the strongest birds—both from health and egg-production points of view—come from small families. It is impossible to have the same stamina from flock matings that can be obtained from single matings. The past years I have carefully investigated the results from these large flocks and have

to the traveler leaving the station. It was felt that a great deal might be done to improve the street, and the desirability of some system of boulevard lighting was strongly urged. It was felt that as a matter of civic pride, the city should have the principal street leading to the station in keeping with the fine appearance of the station itself.

Taken all in all, it was a memorable and enjoyable occasion and Mr. Swallow, the recipient of the most hearty thanks of the business men of the city, as well as the general public, for his courtesy and thoughtfulness, while James F. Taylor, secretary of the Burlington Merchants' association, is to be congratulated upon the result of his efforts to make the affair successful in every way.

RECENT DEATH.

Word has been received in this city of the recent death at his home in Los Angeles, Cal., of Dr. Frederick Thompson Bicknell, a pioneer surgeon of southern California and one of the best loved men of the State. He was 73 years old and is survived by a widow, one daughter, Mrs. Edna B. Zombro, and a grandson, Frederick H. Zombro.

Dr. Bicknell was born in Jericho, Vermont, but while still young, his parents moved to Wisconsin. At the age of 19, he enlisted in the Twenty-Third Wisconsin Volunteer Infantry, serving throughout the Civil War. At the close of the war he entered the University of Wisconsin and afterwards attended Rush Medical College at Chicago, from which institution he was graduated in 1870. In 1874 he went to California as chief surgeon of a mining company.

Dr. Bicknell was a prime mover in the establishment of the Medical College of the University of Southern California in 1884, and for several years was professor of gynecology there. He was a charter member of the Southern California Medical society and also helped establish the California hospital. Dr. Bicknell was very fond of young men and always took pleasure in aiding medical students.

Uremia is due to the circulation in the system of poison and waste products that should be removed from the blood by the kidneys. If the ashes are not removed the fire dies and the machinery stops. So with the waste products of the system. Foley Kidney Pills help the kidneys remove waste matter that causes rheumatism, aches and pains, stiff joints and sore muscles. J. W. O'Sullivan—adv.

SURE.

Little drops of printer's ink. When spread upon cold type, Will quickly cure all business' ills. And give dull times the gripe.

—Editor and Publisher.

is pure white and the throat is white with long pendulous white earlobes often measuring 1/2 to 3 inches from top of face to lowest point of earlobe. The difficulty of producing these extraordinary white faces was really the downfall of the breed. The average breeder could not produce them and turned naturally to the brown, which has a red face (more easily produced), and in laying, size and color, is the equal of the Black Spanish. The plumage is a rich, glossy greenish black. The fowls are moderately large, weighing from 6 1/2 to 8 pounds for males and 5 1/2 to 6 1/2 pounds for females. The hen is a non-sitter and their eggs must be hatched by other hens or artificially.

There has been an increase in the number of employees of the Bennington Scale River Power company are being strong from Monroe Bridge, Mass., to Bennington and it is expected that cheaper power and lights will be furnished to Bennington. The Vermont Last Block company of Brattleboro has taken on a new line, the manufacture of ten pines, candle pins and bowling alley supplies, employing additional help. The Ludlow Wood-plans company of Wilmington has opened its plant and employs more than 150 persons in the manufacture of general, woodware articles, using chiefly domestic hardwoods. The village is growing rapidly and new houses are being erected.

There has been a revival of Kaelin mining at Monkton, and the construction of a paper mill has been begun in that town not far from the village of Bristol. This clay is used in making enameled paper, the manufacture of window shades, and certain kinds of cloth. A new plant has been established in Orwell for the manufacture of lime for agricultural operations, and a cheese factory has been opened in Shoreham. A new grain elevator with power plant has been erected at Enosburg Falls by L. L. Marsh.

Following the sale of the large Rolin Hood ammunition plant at Swanton, the International Explosives company has been organized at that place. The Blair Veneer company at North Troy has enlarged its plant. The Vermont Butter Tallow company at Barton has begun the manufacture of ice cream freezers on a large scale. A granite quarry has been opened in the vicinity of Barton with good prospects for development. The John T. Shack corporation recently erected a new building and its shoddy plant is the largest in the world. The Windsor Machine company at Windsor is very busy with orders for farm material.

The Howe Scale company of Rutland has nearly completed a new brick foundry with steel frame 20x35 feet in size, with two wings of considerable size. The same company recently completed a three-story addition 20x35 feet in size, built of steel and cement. Taylor, Ryerson & Co. on September 1st will begin the manufacture of shirts, pajamas and "love" houses, and will employ 200 persons.

This is not given as a complete list of industrial developments in the State during the period mentioned, but rather as a summary of the information that has come to the State Publicity Bureau in response to letters of inquiry sent to all points of the State. Following is a list of articles of importance filed in the secretary of state's office during the first six months of the present year.

THE VERMONT GRANITE QUARRIES COMPANY.

Hardwick, Vt.
Articles filed January 5, 1915.
For the purpose of buying, selling, quarrying and manufacturing granite in all its branches and phases.
Capital stock, \$100,000.

GREENSBORO MILLS COMPANY.

Greensboro, Vt.
Articles filed January 24, 1915.
For the purpose of developing lands, water powers, etc., operating saw mills, grain mills, grain elevators and doing a general business in grain, lumber, ice, cement, etc. To generate electricity, etc., and to control and use water power rights and privileges.
Capital stock, \$50,000.

THE BROWN MANUFACTURING COMPANY.

Richford, Vt.
Articles filed January 25, 1915.
For the purpose of buying and manufacturing women's and children's wearing apparel.
Capital stock, \$50,000.

BURLINGTON TOY AND NOVELTY COMPANY.

Burlington, Vt.
Articles filed February 16, 1915.
For the purpose of manufacturing toys and novelties and for any other purpose incidental thereto.
Capital stock, \$10,000.

BUTLER PRODUCTS COMPANY.

Springfield, Vt.
Articles filed February 20, 1915.
For the purpose of manufacturing and selling oils, greases, and other commodities of wool and cotton mills, and goods, wares and merchandise of every kind and description.
Capital stock, \$5,000.

JERICHO CREAMERY ASSOCIATION.

Jericho, Vt.
Articles filed February 24, 1915.
For the purpose of manufacturing butter, cheese and other dairy products and to purchase and sell the same.
Capital stock, \$5,000.

GREEN MOUNTAIN GRANITE COMPANY.

Hardwick, Vt.
Articles filed March 13, 1915.
For the purpose of quarrying, sawing, cutting, etc., granite.
Capital stock, \$10,000.

DEVELOPMENT OF VERMONT INDUSTRIES

Publicity Bureau in Secretary of State's Office
Issues Summary of Reports Received for
First Six Months of Year 1915.

Letters received by the publicity bureau in the secretary of state's office show the following developments in Vermont industries between January 1 and July 1, 1915.

The Richford Furniture company has added a veneer mill to its plant. The Brown Manufacturing company of Richford has built a new mill and will make women's dresses. The Eastern Talc company is erecting a talc mill at Rochester to take the place of a mill that was burned, the new mill to be larger than the one destroyed by fire.

The Vermont Farm Machine company of Bellows Falls has rebuilt a considerable number of machines and has added new equipment, and has erected one new building to handle a large contract for war material in addition to its regular line of business. The International Paper company of Bellows Falls has built over and improved two of its large machines to make grease proof and parchment papers, instead of newspaper. This action is taken to meet a demand for papers for use in Germany. The Robertson Paper company has installed one new machine and has purchased another for installation during the coming autumn for the manufacture of an improved grade of paraffined waxed papers.

There has been an increase in the number of employees of the Bennington Scale River Power company are being strong from Monroe Bridge, Mass., to Bennington and it is expected that cheaper power and lights will be furnished to Bennington. The Vermont Last Block company of Brattleboro has taken on a new line, the manufacture of ten pines, candle pins and bowling alley supplies, employing additional help. The Ludlow Wood-plans company of Wilmington has opened its plant and employs more than 150 persons in the manufacture of general, woodware articles, using chiefly domestic hardwoods. The village is growing rapidly and new houses are being erected.

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WHITE RIVER CHEMICAL COMPANY.

White River Junction, Vt.
Articles filed March 6, 1915.
For the purpose of manufacturing and selling a certain salt which will be known and designated by the name of "Wooden Gintment" and for the manufacture and sale of certain horse, cattle and stock medicines and remedies.
Capital stock, \$10,000.

HARDWICK GRANITE COMPANY.

Hardwick, Vt.
Articles filed March 23, 1915.
For the purpose of quarrying, cutting, polishing, finishing, manufacturing, buying and selling granite.
Capital stock, \$10,000.

HOLDEN & MARTIN LUMBER COMPANY.

Brattleboro, Vt.
Articles filed March 23, 1915.
To do a general lumber business, growing, manufacturing and selling. Develop real estate containing minerals, and to guard. Articles very broad.
Capital stock, \$20,000.

GERALD HOLMES BAKING COMPANY.

Barnes City, Vt.
Articles filed March 24, 1915.
Selling by wholesale and retail all kinds of breads, cakes, pastries and confections, and all kinds of like things, including the raw materials, ingredients, conserves and preserves used in connection with the manufacture and sale thereof.
Capital stock, \$5,000.

CASTLETON DAIRY COMPANY.

West Pawlet, Vt.
Articles filed March 25, 1915.
For the purpose of buying, pasteurizing, shipping and selling butter and cheese, also forming, manufacturing and selling ice.
Capital stock, \$50,000.

MONTELEONE TURNING WORKS.

Montpelier, Vt.
Articles filed March 27, 1915.
For the purpose of manufacturing and dealing in all kinds of wooden novelties, specialties and other wood products.
Capital stock, \$5,000.

THE EAST RANDOLPH LIGHT & POWER COMPANY.

Articles filed April 1, 1915.
Capital stock, \$1500.

CENTRAL VERMONT POWER COMPANY.

Montpelier, Vt.
Articles filed April 4, 1915.
Developing and operating water powers and generating, transmitting, selling and furnishing electricity.
Capital stock, \$50,000.

NORTHFIELD TURNING & NOVELTY COMPANY.

Articles filed April 2, 1915.
Manufacturing and dealing in all articles composed in whole or in part of wood.
Capital stock, \$5,000.

MELROSE SLATE COMPANY.

Rutland, Vt.
Articles filed April 15, 1915.
Quarrying, manufacturing and dealing in roofing slate, and other slate products of limestone rock.
Capital stock, \$20,000.

ST. ALBANS FURNITURE GARAGE, INC.

St. Albans City, Vt.
Articles filed May 12, 1915.
Buying and selling, manufacturing, repairing, painting and renting automobiles, airplanes, motor boats, motor and electric propelled vehicles, and vehicles of all kinds and gas accessories, also oils, greases, gasoline and other merchandise pertaining to said business.
Capital stock, \$10,000.

GRANVILLE MANUFACTURING COMPANY, INC.

Granville, Vt.
Articles filed April 27, 1915.
Developing water power, manufacturing lumber and woodware.
Capital stock, \$1000.

PHOENIX FIRE EXTINGUISHER CO.

Fair Haven, Vt.
Articles filed May 27, 1915.
Manufacture and deal in fire extinguishers; to acquire the business heretofore carried on by the Phoenix Fire Appliance company.
Capital stock, \$5,000.

ST. ALBANS CO-OPERATIVE CREAMERY, INC.

St. Albans City, Vt.
Articles filed May 12, 1915.
Manufacturing and sale of dairy and other farm products and the purchase of general farm supplies.
Capital stock, \$10,000.

AMES HILL CORPORATION.

Brattleboro, Vt.
Articles filed June 16, 1915.
To acquire, hold, lease, manage, operate, develop, control, build, erect, maintain for the purpose of said company, construct, reconstruct or purchase, either directly or through ownership of stock in any corporation, and lands, buildings, offices, stores, warehouses, mills, shops, factories, plants, gas houses, etc.
Capital stock, \$25,000.

INTERNATIONAL EXPLOSIVES COMPANY, INC.

Swanton, Vt.
Articles filed June 17, 1915.
Manufacture, buy, sell and deal generally, both as wholesaler and retailer, in explosives and their by-products, ammunition and its constituent parts, firearms, weapons and like implements, tools, machinery and apparatus.
Capital stock, \$10,000.

RUTLAND MANUFACTURING COMPANY, INC.

Rutland City, Vt.
Articles filed June 22, 1915.
For the purpose of manufacturing such articles and things as may be constructed of lumber, wood, iron, tin, zinc and other metal, or all or any of them, etc.
Capital stock, \$10,000.

The W. G. Reynolds Co.

Carpets---Furniture---Linens

Again To-day
We Say---

25 per Cent. Discount on All Porch Chairs and Rockers

MOTTLED AXMINSTER RUGS, 27x54,
extra heavy weave\$1.29 each

LAKESIDE BLANKETS, 60x76 size, gray
or white with blue or pink borders. The
nap is woven in. Special at .98c pair

1/2 PRICE LACE CURTAINS—A few good
numbers left. Better see these to-day
on our main floor.

RAG RUG SPECIAL—1 bale Rag Rugs,
colonial patterns, assorted colorings,
18x36 inches, fringed, special 19c each.

BAR HARBOR CHAIRS—All willow construction,
double woven seat with cone
leg caps, cushion of terry denim or
French cretonne covering, very special,
complete for\$5.00

FOUR ODD CHINA CABINETS, absolutely
new patterns this season. Many are
using these for bookcases, especially in
offices and institutions, at exactly 1/2
PRICE.

ONE WAXED GOLDEN OAK CABINET,
4 finished shelves, perfect glass and
beautifully finished frame; two doors,
regular price \$38.50. To close ..\$19.25

ONE FUMED MISSION PATTERN CABINET,
five shelves, frame high polished
oak and perfect in construction
throughout; two doors; regular price
\$27.50. To close at\$13.75

ONE COCOANUT FINISHED CABINET,
five shelves, colonial frame, two doors,
regular price \$30.00. To close ...\$15.00

ONE ENGLISH GRAY CABINET—Beautiful
finish for office or home, perfectly
straight lines, five shelves, 2 doors,
regular price \$35.00. To close ...\$17.50

JUST REMEMBER
We Clean Carpets,
We Make Over and Renovate Hair Mattresses.
We Rent Electric Vacuum Cleaners